

=====

Sequence Listing could not be accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: Wed Oct 03 13:43:06 EDT 2007

=====

Reviewer Comments:

SEQUENCE LISTING

<110> SiDNA Therapeutics, Inc.
James, McSwiggen
Ivan, Roberts

<120> DNA Interference Mediated Inhibition of GPRA and AAA1 Gene
Expression Using Short Interfering Nucleic Acid (siNA)

<130> 400/227 (MBHB04-423-F)

The above <120> (invention title) response does not match the invention title in official application information and in previously submitted sequence listings for US 10/576752. Per official application information and per previous sequence listings, "RNA Interference Mediated Inhibition of GPRA and AAA1 Gene Expression Using Short Interfering Nucleic Acid (siNA)" is the invention title. It is not "DNA Interference Mediated...". Also, the (MBHB04-423-F) portion of the above <130> response does not match that in previously submitted sequence listings (MBHB04-423-B).

Application No: 10576752

Version No: 2.0

Input Set:**Output Set:****Started:** 2007-10-03 10:46:41.559**Finished:** 2007-10-03 10:46:48.681**Elapsed:** 0 hr(s) 0 min(s) 7 sec(s) 122 ms**Total Warnings:** 810**Total Errors:** 0**No. of SeqIDs Defined:** 811**Actual SeqID Count:** 811

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

Input Set:

Output Set:

Started: 2007-10-03 10:46:41.559
Finished: 2007-10-03 10:46:48.681
Elapsed: 0 hr(s) 0 min(s) 7 sec(s) 122 ms
Total Warnings: 810
Total Errors: 0
No. of SeqIDs Defined: 811
Actual SeqID Count: 811

Error code

Error Description

This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> SiDNA Therapeutics, Inc.
James, McSwiggen
Ivan, Roberts

<120> DNA Interference Mediated Inhibition of GPRA and AAA1 Gene
Expression Using Short Interfering Nucleic Acid (siNA)

<130> 400/227 (MBHB04-423-F)

<140> 10576752
<141> 2007-10-03

<150> US 10/923,182
<151> 2004-08-20

<150> US 60/570,086
<151> 2004-05-11

<150> PCT/US04/16390
<151> 2004-05-24

<150> US 10/826,966
<151> 2004-04-16

<150> PCT/US04/13456
<151> 2004-04-30

<150> US 10/780,447
<151> 2004-02-13

<150> US 60/292,217
<151> 2001-05-18

<150> US 60/362,016
<151> 2002-03-06

<150> US 60/363,883
<151> 2001-07-20

<150> US 60/311,865
<151> 2001-08-13

<150> US 10/727,780
<151> 2003-12-03

<150> US 60/543,480
<151> 2004-02-10

<150> US 10/757,803
<151> 2004-01-15

<150> US 10/720,448
<151> 2003-11-24

<150> US 10/693,059

<151> 2003-10-23

<150> US 10/444,853

<151> 2003-05-23

<150> US 10/427,160

<151> 2003-04-30

<150> PCT/US03/05346

<151> 2003-02-20

<150> PCT/US03/05028

<151> 2003-02-20

<150> US 60/358,580

<151> 2002-02-20

<150> US 60/363,124

<151> 2002-03-11

<150> US 60/386,782

<151> 2002-06-06

<150> US 60/406,784

<151> 2002-08-29

<150> US 60/408,378

<151> 2002-09-05

<150> US 60/409,293

<151> 2002-09-09

<150> US 60/440,129

<151> 2003-01-15

<150> PCT/US02/15876

<151> 2002-05-17

<160> 811

<170> PatentIn version 3.3

<210> 1

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1

gcucagggag ggcucugug

<210> 2

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2

gccuccguuc agcagagcu

19

<210> 3

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 3

ugcagcugcu gccacguc

19

<210> 4

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 4

cucaggaggc aagcuggac

19

<210> 5

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 5

cuccucacu cagcugcag

19

<210> 6

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 6

ggagcaagga cagugaggc

19

<210> 7
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 7
cucaaccccg ccugagcca 19

<210> 8
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 8
augccagcca acuucacag 19

<210> 9
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 9
gagggcagcu ucgauucca 19

<210> 10
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 10
agugggaccg ggcagacgc 19

<210> 11
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 11

cuggauucuu ccccagugg

19

<210> 12

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 12

gcuugcacug aaacaguga

19

<210> 13

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 13

acuuuuacug aaguggugg

19

<210> 14

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 14

gaaggaaagg aaugggguu

19

<210> 15

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 15

uccuucuacu acuccuuua

19

<210> 16

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 16

aagacugagc aaugauaa

19

<210> 17

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 17

acucuguggg uccucuuug

19

<210> 18

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 18

guuuuuacca uuguuggaa

19

<210> 19

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 19

aacuccguug ugcuuuuuu

19

<210> 20

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 20

uccacaugga ggagaaaga

19

<210> 21

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 21

aagaagucaa gaaugaccu

19

<210> 22

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 22

uucuuuguga cucagcugg

19

<210> 23

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 23

gccaucacag auucuuuca

19

<210> 24

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 24

acaggacugg ucaacaucu

19

<210> 25

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 25

uugacagaua uuaauuggc

19

<210> 26
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 26
cgauucacug gagacuuca 19

<210> 27
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 27
acggcaccug accugguuu 19

<210> 28
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 28
ugccgagugg uccgcuaau 19

<210> 29
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 29
uugcagguug ugcugcucu 19

<210> 30
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 30

uacgccucua ccuacgucc 19

<210> 31
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 31
cugguguccc ucagcauag 19

<210> 32
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 32
gacagauacc augccaucg 19

<210> 33
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 33
gucuacccca ugaaguucc 19

<210> 34
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 34
cuucaaggag aaaagcaag 19

<210> 35
<211> 19
<212> RNA
<213> Artificial Sequence

<220>

<223> Synthetic	
<400> 35	
gccagggucc ucauuguga	19
<210> 36	
<211> 19	
<212> RNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic	
<400> 36	
aucgccugga gccugucuu	19
<210> 37	
<211> 19	
<212> RNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic	
<400> 37	
uuucuguucu ccauuccca	19
<210> 38	
<211> 19	
<212> RNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic	
<400> 38	
accugauca uauuuggga	19
<210> 39	
<211> 19	
<212> RNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic	
<400> 39	
aagaggacac uguccaacg	19
<210> 40	
<211> 19	
<212> RNA	

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 40

ggugaagugc agugcuggg

19

<210> 41

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 41

gcccuguggc cugacgacu

19

<210> 42

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 42

uccuacugga ccccauaca

19

<210> 43

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 43

augaccaugc uggccuucc

19

<210> 44

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 44

cugguguacu ucaucccuc

19

<210> 45
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 45
cugacaauca ucagcauca 19

<210> 46
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 46
auguauggca uugugauc 19

<210> 47
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 47
cgaacuauuu ggauuaaaa 19

<210> 48
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 48
agcaaaaccu acgaaacag 19

<210> 49
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 49

gugauuucca acugcucag 19

<210> 50
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 50
gaugggaaac ugugcagca 19

<210> 51
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 51
agcuauaacc gaggacuca 19

<210> 52
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 52
aucucaaagg caaaaauca 19

<210> 53
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 53
aaggcuaucaguaauagca 19

<210> 54
<211> 19
<212> RNA
<213> Artificial Sequence

<220>

<223>	Synthetic	
<400>	54	
	aucaucauca uucuugccu	19
<210>	55	
<211>	19	
<212>	RNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic	
<400>	55	
	uucaucugcu guuggaguc	19
<210>	56	
<211>	19	
<212>	RNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic	
<400>	56	
	ccaauacuucc uguuugaca	19
<210>	57	
<211>	19	
<212>	RNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic	
<400>	57	
	auuuuggaca auuucaccc	19
<210>	58	
<211>	19	
<212>	RNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic	
<400>	58	
	cuccuuccag acacccagg	19
<210>	59	
<211>	19	
<212>	RNA	

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 59

gagcguuucu augccucug

19

<210> 60

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 60

gugaucuuuc agaaccugc

19

<210> 61

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 61

ccagcauuga auagugcca

19

<210> 62

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 62

aucaaccccc ucaucuacu

19

<210> 63

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 63

ugugucuuca gcagcucca

19

<210> 64
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 64
aucucuuucc ccugcaggg 19

<210> 65
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 65
gagcaaagau cacaggau 19

<210> 66
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 66
uccagaauga cguuccggg 19

<210> 67
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 67
gagagaacug agaggcaug 19

<210> 68
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 68

gagaugcaga uucugucca

19

<210> 69

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 69

aagccagaau ucaucuaga

19

<210> 70

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 70

accuagggc agugccagu

19

<210> 71

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 71

ugcuaggcug agcaccauc

19

<210> 72

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 72

cagcucuccc agguccuug

19

<210> 73

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 73

gucaccugcu ugggcacgu

19

<210> 74

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 74

ugcauggaac ccgagccaa

19

<210> 75

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 75

acuucacccc acccucguc

19

<210> 76

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 76

cauuaccugg gagaugcac

19

<210> 77

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 77

caagacaaaau guucuaaug

19

<210> 78

<211> 19

<212> RNA

<213>	Artificial Sequence	
<220>		
<223>	Synthetic	
<400>	78	
	gacugcaugc acugcuuaa	19
<210>	79	
<211>	19	
<212>	RNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic	
<400>	79	
	aguaauuggcc aacacgaac	19
<210>	80	
<211>	19	
<212>	RNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic	
<400>	80	
	cuccccaguu auucaugcc	19
<210>	81	
<211>	19	
<212>	RNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic	
<400>	81	
	cagccaggaa ggaaacgcc	19
<210>	82	
<211>	19	
<212>	RNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic	
<400>	82	
	cuuccuucc caccauucc	19

<210> 83
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 83
ccagccucc uucccacug 19

<210> 84
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 84
ggccagcacc ugaaccag 19

<210> 85
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 85
gugaacacag gcauuagug 19

<210> 86
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 86
gguccaggu ccuggcuug 19

<210> 87
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 87

gcuuggagcc agugaguag 19

<210> 88
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 88
cacagagccc ucccugagc 19

<210> 89
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 89
agcucugcug aacggaggc 19

<210> 90
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 90
gagcugggca gcagcugca 19

<210> 91
<211> 19
<212> RNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 91
guccagcuug ccuccugag 19

<210> 92
<211> 19
<212> RNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 92

cugcagcuga gugagggag

19

<210> 93

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 93

gccucacugu ccuugcucc

19

<210> 94

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 94

uggcucaggc gggguugag

19

<210> 95

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 95

cugugaaguu ggcuggcau

19

<210> 96

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 96

uggaaucgaa gcugcccuc

19

<210> 97

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 97

gcgucugccc ggucccacu